

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,086,040 B2
 APPLICATION NO. : 09/773211
 DATED : August 1, 2006
 INVENTOR(S) : Joisha et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Sheet 1 of 5, in FIG. 1, below "FIG. 1" insert -- (Prior Art) --.

On Sheet 4 of 5, in FIG. 5 (Col. 2, Row 6, delete " π " and insert -- π --

In column 1, line 26, delete "Math Works," and insert -- MathWorks, --, therefor.

In column 3, line 41, delete " p_i " and insert -- p_i --, therefor.

In column 4, line 66, delete " $\pi^*.III$ " and insert -- $\pi^*. III$ --, therefor.

In column 5 (Eq. 5), line 31, delete "scalar," and insert -- matrix, --, therefor.

In columns 5-6 (Eq. 11), lines 55-56, delete "
$$u = (1 - \bar{\theta}(c))\pi^* + \bar{\theta}(c)(s^* \bar{\alpha}(b) + t^* \bar{\alpha}(a)(1 - \bar{\alpha}(b)) + (s^* \Gamma_1 + t^* \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \bar{\alpha}(a))(1 - \bar{\alpha}(b)))$$
 "

and insert --
$$(1 - \bar{\theta}(c))\pi^* + \bar{\theta}(c)(s^* \bar{\alpha}(b) + t^* \bar{\alpha}(a)(1 - \bar{\alpha}(b)) + (s^* \Gamma_1 + t^* \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \bar{\alpha}(a))(1 - \bar{\alpha}(b)))$$
 --, therefor.

In column 6 (Eq. 12), lines 62-63, delete " $\delta(r_1, r_2, \dots, r_m)$ " and insert -- $\delta(<r_1, r_2, \dots, r_m>)$ --, therefor.

In column 7, line 13, delete "where".

In column 7, line 14, insert -- where -- below equation

In column 7, line 15, delete " $p_1(1 - \bar{\alpha})(a)$ " and insert -- $p_1(1 - \bar{\alpha}(a))$ --, therefor.

In column 7, line 16, delete " $q_2(1 - \bar{\alpha})(a)$ " and insert -- $q_2(1 - \bar{\alpha}(a))$ --, therefor.

In column 7, line 17, delete " $+(1 - \bar{\alpha})(a)$ " and insert -- $+(1 - \bar{\alpha}(a))$ --, therefor.

In column 8, line 20, after "simpler" insert -- \otimes --.

In column 8 (Eg:1.1), line 51, delete " $u=st$," and insert -- $u = s \otimes t$, --, therefor.

In column 8 (Eg:1.2), line 53, delete " $v=ut$." and insert -- $v = u \otimes t$. --, therefor.

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In column 8, line 59, delete " $v=(st)t$." and insert -- $v = (s \oplus t) \oplus t$. --, therefor.

In column 8, line 61, after "FIG. 6," insert -- \otimes --.

In column 8, line 63, delete " $v=s(tt)$." and insert -- $v = s \oplus (t \oplus t)$. --, therefor.

In column 8, line 64, after "FIG. 6," insert -- \otimes also --.

In column 8 (Eg:1.3), line 67, delete " $v=st$." and insert -- $v = s \oplus t$. --, therefor.

In column 9 (Eg:2.1), line 33, delete " $u_i=s_{i-1}t$ " and insert -- $u_i = s_{i-1} \oplus t$ --, therefor.

In column 9, line 35, delete " u_i " and insert -- u_i --, therefor.

In column 9, line 35, delete " s_i " and insert -- s_i --, therefor.

In column 9, line 36, delete " $(i>1)$ " and insert -- $(i \geq 1)$ --, therefor.

In column 9 (Eg:2.2), line 39, delete " $s_i=u_i$ " and insert -- $s_i = u_i$ --, therefor.

In column 9, line 44, delete " $s_i=s_{i-1}t$." and insert -- $s_i = s_{i-1} \oplus t$. --, therefor.

In column 9, line 45, delete " $\therefore s_i=(s_{i-2}Ot)t$." and insert -- " $\therefore s_i = (s_{i-2} \oplus t) \oplus t$. --, therefor.

In column 9, line 47, after "FIG. 6," insert -- \otimes --.

In column 9, line 49, delete " $s_i=s_{i-2}(tt)$." and insert -- $s_i = s_{i-2} \oplus (t \oplus t)$. --, therefor.

In column 9, line 53, delete " $s_i=s_{i-2}t$." and insert -- $s_i = s_{i-2} \oplus t$. --, therefor.

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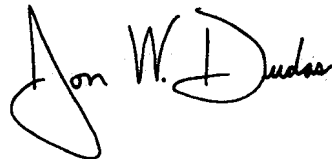
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9 (Eg:2.3), line 56, delete " $s_i=s_0t$ " and insert -- $s_i = s_0 \oplus t$ --, therefor.

Signed and Sealed this

Fifteenth Day of May, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D" at the end.

JON W. DUDAS
Director of the United States Patent and Trademark Office